

## ABSTRACT

A superconductor and a method for producing the same are provided.

The method for producing a superconductor includes the step of forming a  
5 superconducting layer on a base layer by performing a film deposition at least  
two times, wherein the film thickness of a superconducting film in each film  
deposition is  $0.3\ \mu\text{m}$  or less. In such a case, even when the layer thickness of  
the superconducting layer is increased, the decrease in the  $J_c$  is suppressed  
and the  $I_c$  is increased.